

Claims

1. Method of manufacturing and assembling, in function of the desired configurations, a volumetric compressor of the type comprising a pair of rotors cooperating with each other and housed inside a compressor body,

5        said compressor body having a first flange arranged on the suction side of said compressor body and a second flange arranged on the delivery side of said compressor body, said first flange being suited to be coupled with a suction head and said second flange being suited to be coupled with a delivery head of said volumetric compressor, wherein it comprises the following operations:

- 10        - manufacturing a first suction head comprising a coupling element to a suction pipe, and
- manufacturing a second suction head comprising a coupling element for connection to a suction pipe in combination with a motor unit,
- each of said first and second suction heads being provided with a first
- 15        counterflange, suited to be connected with said first flange of said compressor body;
- manufacturing a first delivery head comprising a coupling element to a delivery pipe, and
- manufacturing a second delivery head comprising a coupling element
- 20        for connection to a delivery pipe in combination with an oil separator,
- each of said first and second delivery heads being provided with a second counterflange suited to be connected with said second flange of said compressor body;
- coupling said first flange of said compressor body with said
- 25        counterflange of any of these first or second suction heads;
- coupling said second flange of said compressor body with said counterflange of any of these first or second delivery heads .

2. Volumetric compressor according to the method of claim 1, wherein said

30        first suction head comprises a coupling element for connection to a suction pipe,

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and said second delivery head comprises a coupling element for connection to a delivery pipe.

3. Volumetric compressor according to the method of claim 1, wherein said  
5 first suction head comprises a coupling element for connection to a suction pipe,  
and said first delivery head comprises a coupling element for connection to a  
delivery pipe in combination with an oil separator.

4. Volumetric compressor according to the method of claim 1, wherein said  
10 second suction head comprises a coupling element for connection to a suction  
pipe in combination with a motor unit, and said second delivery head comprises a  
coupling element for connection to a delivery pipe.

5. Volumetric compressor according to the method of claim 1, wherein said  
15 second suction head comprises a coupling element for connection to a suction  
pipe in combination with a motor unit, and said first delivery head comprises a  
coupling element for connection to a delivery pipe in combination with an oil  
separator.

20 6. Volumetric compressor according to the method of claim 1, wherein said  
coupling element for connection to a suction pipe is constituted by a suction valve.

7. Volumetric compressor according to the method of claim 1, wherein said  
coupling element for connection to a suction pipe is constituted by a suction  
25 coupling.

8. Volumetric compressor according to the method of claim 1, wherein said  
coupling element for connection to a delivery pipe is constituted by a delivery  
valve.

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9. Volumetric compressor according to the method of claim 1, wherein said coupling element for connection to a delivery pipe is constituted by a delivery coupling.

5           10. Volumetric compressor according to the method of claim 1, wherein said motor unit is of the semi-hermetic type.

11. Volumetric compressor according to the method of claim 1, wherein it comprises fastening means suited to permanently connect said first and second  
10 flange to said first and second counterflange, respectively.

12. Volumetric compressor according to claim 11, wherein said fastening means are constituted by screws.

15           13. Volumetric compressor according to the method of claim 1, wherein said motor unit is constituted by an electric motor.